SEQUENCE LISTING

<110> Versalovic, James Pena, Jeremy Connolly, Eamonn <120> Anti-Inflammatory Activity from Lactic Acid Bacteria <130> BIOA5311 <140> Not Assigned <141> 2004-01-29 <150> US 60/443,644 <151> 2003-01-30 <160> 2 <170> PatentIn version 3.1 <210> 1 2062 <212> DNA <213> Human <400> accagtgate tetatgeeeg agteteaace eteaactgte acceeaagge aettgggaeg 60 tectggacag acegagteec gggaageeec ageactgeeg etgecacaet geeetgagee 120 caaatggggg agtgagaggc catagctgtc tggcatgggc ctctccaccg tgcctgacct 180 gctgctgccg ctggtgctcc tggagctgtt ggtgggaata tacccctcag gggttattgg 240 actggtccct cacctagggg acagggagaa gagagatagt gtgtgtcccc aaggaaaata 300 tatccaccct caaaataatt cgatttgctg taccaagtgc cacaaaggaa cctacttgta 360 caatgactgt ccaggcccgg ggcaggatac ggactgcagg gagtgtgaga gcggctcctt 420 caccgcttca gaaaaccacc tcagacactg cctcagctgc tccaaatgcc gaaaggaaat 480 gggtcaggtg gagatetett ettgeacagt ggacegggae acegtgtgtg getgeaggaa 540 gaaccagtac cggcattatt ggagtgaaaa ccttttccag tgcttcaatt gcagcctctg 600 cctcaatggg accgtgcacc tctcctgcca ggagaaacag aacaccgtgt gcacctgcca 660 tgcaggtttc tttctaagag aaaacgagtg tgtctcctgt agtaactgta agaaaagcct 720 ggagtgcacg aagttgtgcc taccccagat tgagaatgtt aagggcactg aggactcagg 780 caccacagtg ctgttgcccc tggtcatttt ctttggtctt tgccttttat ccctcctctt 840 cattggttta atgtatcgct accaacggtg gaagtccaag ctctactcca ttgtttgtgg 900

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<213> Human

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His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys 35 40 45

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Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys 50 . 55 60

Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp 65 70 75 80

Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu 85 , 90 95

Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val

Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg 115 120 125

Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe 130 135 140

Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu 145 150 155 160

Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu 165 170 175

Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr 180 185 190

Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser 195 200 205

Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu 210 215 220

Leu Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys 225 230 235 240

Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys Glu 245 250 255

Gly Glu Leu Glu Gly Thr Thr Thr Lys Pro Leu Ala Pro Asn Pro Ser 260 265 270 Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val 275 280 285

Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr Pro Gly Asp Cys 290 295 300

Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly 305 310 315

Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn 325 330 335

Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp 340 345 350

Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro 355 360 365

Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu 370 380

Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln 385 390 395 400

Tyr Ser Met Leu Ala Thr Trp Arg Arg Thr Pro Arg Arg Glu Ala
405 410 415

Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly
420 425 430

Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro 435 440 445

Pro Ala Pro Ser Leu Leu Arg 450 455